



Product Evaluation

WIN2117 | 0816

Engineering Services Program

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

Evaluation ID: WIN-2117

Effective Date: August 1, 2016

Re-evaluation Date: June 2018

Product Name: Series 100 Aluminum Twin Single Hung Windows with 101 Transom, Non-impact Resistant

Manufacturer: Krestmark Windows
3950 Bastille Road
Suite 100
Dallas, TX 75212
(214) 237-5055

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 100 Aluminum Twin Single Hung Windows with 101 Transom	H-R50 88 x 108 (MULL)	+50 / -50 psf

Product Dimensions:

System	Overall Size	Operating Sash Size	Fixed Glass Daylight Opening Size
1	88" x 108"	41-3/4" x 36-1/2"	Single Hung: 41-3/8" x 33-5/8" Transom: 85-5/16" x 34-3/16"

Product Identification (Certification Agency Label on Window):

System		
1	Certification Agency	AAMA
	Manufacturer's Name or Code Name	KR-1
	Product Name	100 TWIN SH w/TRANSOM
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05

Impact Resistance:

System	Impact Resistant	Requirement
1	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Installation:

Fasten the window to minimum Spruce-Pine-Fir dimension lumber.

Nailing Fin: Use minimum No. 6 screws. Space the fasteners approximately 2" from each corner and 12" on center along the perimeter of the window.

Mullions: Twin windows secured together with heavy mull (part# WE36015). Use No. 8 x 1" hex head tek screws in pairs 1" from each end and 12" on center at the mullion exterior face. Use No. 8 x 1" hex head tek screws through each jamb into mullion, located at 2" from the sill and 2" from the meeting rail. Each end of mullion anchored with aluminum L-shaped heavy mull brackets (part #WE36001), 1.175" x 0.955" x 0.080". Brackets attached to the mullion with two No. 6 x 7/16" hex head screws and to the wall framing with two No. 8 screws.

Mullion Clip: Galvanized steel clip, 2.13" x 1/2" x 0.060" (16-gauge). Two are required between the single hung windows at the head and at the sill. Each secured to the window frame with two No. 8 x 1" screws.

Stacking Sill: Transom heavy stacking sill (part# WE35959) secured to the twin single hung head with No. 6 x 7/16" PH tek screw located 1" from each end and 12" on center. Each end of mullion anchored with aluminum L-shaped heavy mull brackets (part #WE36001), 1.175" x 0.955" x 0.080". Brackets attached to the mullion with two No. 6 x 7/16" hex head screws and to the wall framing with two No. 8 screws.

Use fasteners long enough to penetrate a minimum of 1-1/2" into the wall framing.

Note: Keep the manufacturer's installation instructions at the job site during installation. Use corrosion resistant fasteners as specified in the IRC, IBC, and the Texas Revisions.